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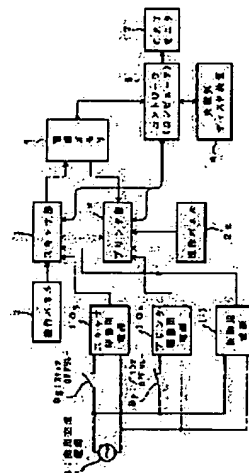
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(54) INPUT/OUTPUT DEVICE

(57)Abstract:

PURPOSE: To provide an input/output device which can use either nondefective one of a scanner part and a printer part, when an abnormality occurs in either one of them.

CONSTITUTION: The picture information received from a scanner part 1 is supplied to a controller 5 through an image memory 4 and recorded on a disk. Then the picture information reproduced from the disk is supplied to a printer part 2 and recorded there through the controller 5 and the memory 4. Both parts 1 and 2 function independently of each other and unified together. The driving power is supplied to both parts 1 and 2 from the power circuits 10s and 10p respectively. Meanwhile a power circuit 11 supplies the control power to both parts 1 and 2. If an abnormality occurs at the part 1 only, a relay 9s is turned off and no driving power is supplied to the part 1 from the circuit 10s. Thus the safety of the part 1 is assured. Meanwhile the driving power is supplied to the part 2 from the circuit 10p so that the part 2 is available.



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TECHNICAL FIELD

[Industrial Application] This invention relates to the I/O machine which comes to unify the scanner section and the printer section which function independently.

[0002]

[Background of the Invention] Drawing 2 shows an example of a picture file system to which carry out communications control of the scanner section (drawing information input unit) or the printer section (drawing information output unit) by the controller (computer), and the input/output operation of drawing information is made to perform.

[0003] In this drawing, 1 is the scanner section, in this scanner section 1, reading operation of a manuscript is performed and drawing information is outputted. 2 is the printer section and record operation to the recording paper is performed based on drawing information in this printer section 2. Although the scanner section 1 and the printer section 2 function independently, these scanner section 1 and the printer section 2 are unified.

[0004] 3 is the control panel with which two or more keys were prepared. This control panel 3 is connected to the scanner section 1, and operation of a setup of the mode of operation of the scanner section 1 etc. is performed by this control panel 3. In addition, between the scanner section 1 and the printer section 2, communication is performed, it has with the control panel 3 mentioned above, and operation of a setup of the mode of operation of the printer section 2 etc. is also performed. In addition, 2a is the control panel connected to the printer section 2, and is used for concentration adjustment, color-balance adjustment, the number-of-sheets setup, etc.

[0005] Moreover, it is the controller which consists of a computer by which 4 controls the image memory of ** as the buffer of drawing information, and 5 controls the whole system. Between the scanner section 1 and the printer section 2, and a controller 5, communication is performed, and communications control of the operation of the scanner section 1 and the printer section 2 is had and carried out by the controller 5. In this case, operation of a setup of the mode of operation of the scanner section 1 or the printer section 2 etc. is enabled by the controller 5 as well as a control panel 3.

[0006] Moreover, the optical-magnetic disc equipment as filing equipment by which 6 was connected to the controller 5, and 7 are the CRT monitors connected to the controller 5. Record reproduction operation of optical-magnetic disc equipment 6 is controlled by the controller 5.

[0007] In the above composition, at the time of a drawing information input, manuscript reading operation is performed in the scanner section 1, and the drawing information outputted from this scanner section 1 is supplied to a controller 5 through an image memory 4, is further supplied to optical-magnetic disc equipment 6, and is recorded on a magneto-optic disk.

[0008] Moreover, at the time of drawing information retrieval, with optical-magnetic disc equipment 6, the drawing information directed by the controller 5 is reproduced one by one from a magneto-optic disk, the drawing information is supplied to a monitor 7 through a controller 5, and the content of drawing information is displayed on a monitor 7. Thereby, the drawing information on desired can be searched from a magneto-optic disk.

[0009] Moreover, at the time of a drawing information output, drawing information is reproduced from a magneto-optic disk with optical-magnetic disc equipment 6 according to directions of a controller 5, this drawing information is supplied to the printer section 2 through a controller 5 and an image memory 4, and the drawing information is recorded on the recording paper.

[0010] The power supply of the scanner section 1 or the printer section 2 is had and supplied with the following composition. That is, 8 is a commercial alternating current power supply, and this AC power supply 8 is connected to the power circuit 10 for a drive through the off-relay 9 which will be in an OFF state at the time of the abnormalities of the scanner section 1 or the printer section 2. And the direct current voltage outputted from a power circuit 10 is supplied to the scanner section 1 and the printer section 2 as a power supply for a drive.

[0011] Moreover, AC power supply 8 is supplied to the power circuit 11 for control, and the direct current voltage outputted from this power circuit 11 is supplied to the scanner section 1 and the printer section 2 as a power supply for control.

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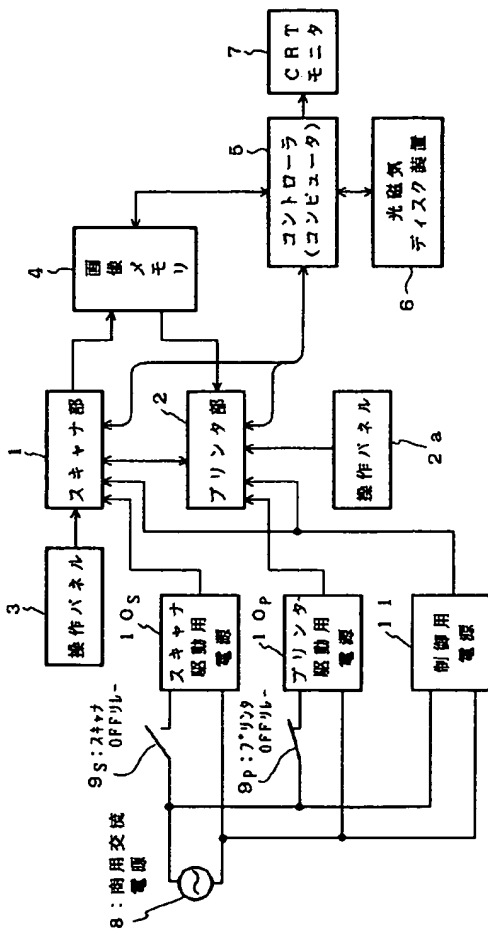
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DRAWINGS

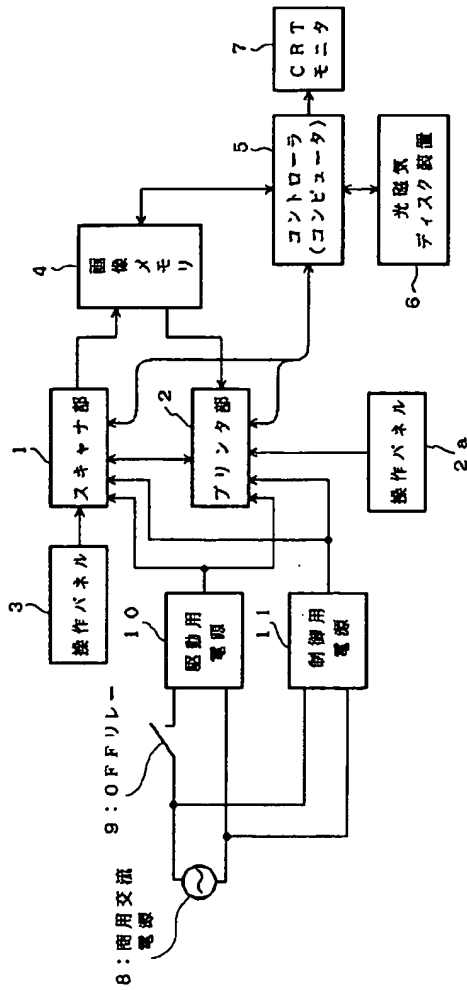
[Drawing 1]

実施例の構成



[Drawing 2]

従来例の構成



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